

		<h1 style="text-align: center;">AWARD/ MODIFICATION</h1>		3a. ISSUED BY: Office of Naval Research 875 N. Randolph Street Suite 1425 Arlington VA 22203-1995	
				3b. CFDA: 12.300	
1. INSTRUMENT TYPE: Grant Award		3c. DUNS NUMBER: 052184116			
2. AUTHORITY: 10 USC 2358 and 31 USC 6304, as amended		7. PR NO.: 1000009993			
4. AWARD NO.: N00014-18-1-2843		5. MODIFICATION NO.:	6. MODIFICATION TYPE: NEW		
8. ACTIVITY/AGENCY PROPOSAL NO.: GRANT12571547		9. RECIPIENT PROPOSAL NO.: FP492	10. PROPOSAL DATE: 02162018	11. ACTIVITY TYPE: R&D	12. PROGRAM TYPE: ONR
13. ISSUED TO 13a. ADDRESS:	13b. CAGE: 97668	13c. EDI/EFT NUMBER: N/A	14. REMITTANCE ADDRESS (IF DIFFERENT FROM BLOCK 13): Same as Block # 13		
CARNEGIE MELLON UNIVERSITY 5000 FORBES AVE PITTSBURGH PA 15213-3815 UNITED STATES OF AMERICA					
13d. BUSINESS OFFICE CONTACT: Rebecca Pawlikowsky					
13e. TELEPHONE NUMBER: 412-268-8746	13f. EMAIL ADDRESS: osp@andrew.cmu.edu				
15. RESEARCH TITLE AND/OR DESCRIPTION OF PROJECT AND/OR PROPOSAL TITLE: Multi-Modal Oceanographic Sensing with Hybrid Soft Electronic Skin					
16. FUNDING		ACTIVITY/AGENCY SHARE		RECIPIENT SHARE	
PREVIOUSLY OBLIGATED:				\$0.00	
OBLIGATED BY THIS ACTION:				\$1,499,999.99	
TOTAL OBLIGATED ON AWARD:				\$1,499,999.99	
FUTURE FUNDING:				\$0.00	
GRANT TOTAL:				\$1,499,999.99	
17. CURRENT FUNDING PERIOD N/A THROUGH N/A					
18. PERIOD OF PERFORMANCE 09/01/2018 THROUGH 08/31/2021					
19. ACCOUNTING AND APPROPRIATION DATA: See Attached Financial Accounting Data Sheet(s)					
20a. PRINCIPAL INVESTIGATOR/RECIPIENT TECHNICAL REPRESENTATIVE: Carmel Majidi		21. TECHNICAL REPRESENTATIVE 21a. NAME: REGINALD BEACH		21b. CODE: 322	
		21c. ADDRESS: OCEAN ATMOSPHERE & SPACE RESEARCH DIV 875 N. Randolph Street Arlington VA 22203-1995			
20b. TELEPHONE NUMBER: 412-268-2492	20c. EMAIL ADDRESS: cmajidi@andrew.cmu.edu	21d. TELEPHONE NUMBER:		21e. EMAIL ADDRESS: REGINALD.BEACH@NAVY.MIL	
22. AWARDDING OFFICE CONTACT 22a. NAME: DAVID BROADWELL		22b. CODE: BD255		23a. ADMINISTRATIVE OFFICE: ONR REG Office Chicago Telephone: (312) 886-5423 Email: ONR_Chicago@navy.mil 230 South Dearborn CHICAGO IL 60604-1595	
22c. ADDRESS: Office of Naval Research 875 N. Randolph Street, Suite 1425 Arlington, VA 22203-1995		23b. CODE: N62880			
22d. TELEPHONE NUMBER: 703-588-2866	22e. EMAIL ADDRESS: DAVID.BROADWELL@NAVY.MIL				
24. SUBMIT PAYMENT REQUEST TO: Same as block 23a		25a. PAYING OFFICE DFAS-CO/NORTH ENTITLEMENT OPERATIONS HQ0337 PO Box 182266 COLUMBUS OH 43128	25b. CODE: HQ0337	26a. PATENT OFFICE: Office of Naval Research ATTN: ONR Office of Counsel Intellectual Property Section One Liberty Center 875 North Randolph Street, Suite 1425 Arlington, VA 22203-1995	26b. CODE: N00014

AWARD NO. N00014-18-1-2843		<b>AWARD/MODIFICATION</b>		MODIFICATION NO.		
27. SPECIAL INSTRUCTIONS: See Special Requirements on Page 5						
28. DELEGATIONS: The administration duties listed below have been delegated to the administrative office (block 23a). Upon request the awarding office contact (block 22) will make their full text available. Please direct questions to the contacts @: <a href="http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx">http://www.onr.navy.mil/Contracts-Grants/Regional-Contacts.aspx</a>						
This award provides full delegation to the administrative office in Block 23 of the grant. Full delegation includes the functions described in the DoDGARs at 32 CFR 22.715 and the administrative grants officer functions related to payments described in 32 CFR 22.810.						
29. TERMS AND CONDITIONS: The following terms and conditions are incorporated herein by reference with the same force and effect as if they were given in full text. Upon request the awarding office contact named in block 22 will make their full text available, or they can be found at the specified URL.						
DOCUMENT		URL				
The following documents may be found at : <a href="http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx">http://www.onr.navy.mil/Contracts-Grants/submit-proposal/grants-proposal/grants-terms-conditions.aspx</a> DOD RESEARCH AND DEVELOPMENT GENERAL TERMS AND CONDITIONS (JULY 2018)  UAWA AWARD A (SEP 2017) ADDENDUM TO THE DOD R&D GENERAL TERMS AND CONDITIONS AND ONR PROGRAMMATIC REQUIREMENTS - DOMESTIC RESEARCH (MAY 2018) SPECIAL TERMS AND CONDITIONS (POLICY FOR IN SITU OCEAN DATA ARTICLE) (OCT 1999)						
30. OPTIONS	OPTION NO.	AMOUNT	PERIOD			
(1)						
(2)						
(3)						
(4)						
31. REPORTS: The reporting requirements under this award are specified in the articles of part 5 (Financial, Programmatic, and Property Reporting) to the DoD R&D general Terms and Conditions and in the additional language for Part 5 in the ONR Addendum to the DoD R&D General Terms and Conditions.						
32. FOR THE RECIPIENT			33. FOR THE UNITED STATES OF AMERICA			
32a. SIGNATURE OF PERSON AUTHORIZED TO SIGN			33a. SIGNATURE OF AWARDOFFICER Digitally signed by VANESSA SEYMOUR 1061137463 Dated: 2018.08.23 10:58:40 EST			
32b. NAME AND TITLE OF SIGNER		32c. DATE SIGNED	33b. NAME AND TITLE OF AWARD OFFICER VANESSA SEYMOUR		33c. DATE SIGNED 08/23/2018	

## FINANCIAL ACCOUNTING DATA SHEET - NAVY

1. CONTRACT NUMBER (CRITICAL) N00014-18-1-2843			2. SPIIN (CRITICAL)		3. MOD (CRITICAL)			4. PR NUMBER 1000009993									
CLIN/SLIN	6. LINE OF ACCOUNTING													7.  AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN	
	A. ACRN (CRITICAL)	B. APPROPRIATION (CRITICAL)	C. SUBHEAD (CRITICAL)	D. OBJ CLA	E. PARM	F. RFM	G. SA	H. AAA (CRITICAL)	I. IT	J. PAA	K. COST CODE						
											PROJ UNIT	MCC	PDLI & SUF				
	AA	1781319	W276	410	00	014	0	050120	2D	000000	000024	173	325	\$1,499,999.99			
PAGE TOTAL														\$1,499,999.99			
GRAND TOTAL														\$1,499,999.99			
PREPARED/AUTHORIZED BY:						COMPTROLLER APPROVAL:											
DATE:						FOR FISCAL DATA AND SIGNATURE											
						BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED											
DATE:						DATE:											

ONR AWARD FORM (10/99) - version 1.1

## FINANCIAL ACCOUNTING DATA SHEET – NON-NAVY DoD ACTIVITIES

1. CONTRACT NUMBER (CRITICAL) N00014-18-1-2843		2. SPIIN (CRITICAL)		3. MOD (CRITICAL)		4. PR NUMBER 1000009993		
5. CLIN/SLIN	6. ACRN (CRITICAL)	7.  ACCOUNTING CITATION				8.  AMOUNT (CRITICAL)		NAVY INTERNAL USE ONLY REF DOC/ACRN
						PAGE TOTAL		
						GRAND TOTAL		
PREPARED/AUTHORIZED BY:				COMPTROLLER APPROVAL: FOR FISCAL DATA AND SIGNATURE				
DATE:				BY _____ for COMPTROLLER, ONR CONTRACT REVIEWED				
				DATE:				

AWARD NO.  
N00014-18-1-2843

## SPECIAL REQUIREMENTS

MODIFICATION NO.

1. The Following payment instructions are hereby provided:

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Payment Office:

The payment office shall make payment in sequential ACRN order within the award, exhausting all funds in the previous ACRN before paying from the next ACRN using the following sequential order: alpha/alpha; alpha/numeric; numeric/alpha; and numeric/numeric ACRN sequence.

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Grantee:

Payment guides are available on the ONR website at the following link:

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<http://www.onr.navy.mil/Contracts-Grants/manage-grant/grants-payment/electronic-payment.aspx>

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2. Reports:

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Block 31 of this award form, including any information in the header and underlying rows of that block, is hereby deleted in its entirety and replaced by the following language: "The reporting requirements under this award are specified in the articles of Part 5 (Financial, Programmatic, and Property Reporting) to the DoD R&D General Terms and Conditions and in the additional language for Part 5 in the ONR Addendum to the DoD R&D General Terms and Conditions".